Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A system for providing feedback to an individual patient for automated remote patient care, comprising:

an implantable medical device collecting device measures on a substantially continuous basis from an implant recipient;

a remote client obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of at least one set of the device measures;

a database storing the collected device measures as physiological measures into a patient care record in a database, the physiological measures comprising at least one of collected or derived physiological measures; and

a server receiving and processing the device measures, comprising:

a feedback module processing the voice feedback against a stored speech vocabulary into normalized quality of life measures for storage into the patient care record;

an analysis module analyzing the physiological measures and the quality of life measures stored in the patient care record through derived measure determination and statistical value calculation relative to at least one of other physiological measures and other quality of life measures to generate patient status feedback.

2. (original): A system according to Claim 1, further comprising:

the analysis module comparing the physiological measures and quality of life measures stored in the patient care record to at least one of either collected or derived physiological measures and quality of life measures stored in patient care records for the individual patient, a patient peer group, and a patient population.

3. A system according to Claim 1, further comprising:

the feedback module providing progressive feedback, comprising at least one of an interpretation of the patient status, a notification of potential medical concern based on the patient status sent to at least one of the implant recipient and medical personnel, and a set of reprogramming instructions based on the patient status sent to the implantable medical device.

4. (original): A system according to Claim 1, further comprising:

the feedback module requesting the voice feedback through pre-determined prompts corresponding to the quality of life measures and parsing the voice feedback in accordance with a voice grammar to normalize the voice feedback.

5. (currently amended): A method for providing feedback to an individual patient for automated remote patient care, comprising:

collecting device measures through an implantable medical device on a substantially continuous basis from an implant recipient;

obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of at least one set of the device measures;

storing the collected device measures as physiological measures into a patient care record in a database, the physiological measures comprising at least one of collected or derived physiological measures;

receiving the device measures;

processing the voice feedback against a stored speech vocabulary into normalized quality of life measures for storage into the patient care record; and

analyzing the physiological measures and the quality of life measures stored in the patient care record <u>through derived measure determination and statistical value calculation</u> relative to at least one of other physiological measures and other quality of life measures to generate patient status feedback.

6. (original): A method according to Claim 5, further comprising:

comparing the physiological measures and quality of life measures stored in the patient care record to at least one of either collected or derived physiological measures and quality of life measures stored in patient care records for the individual patient, a patient peer group, and a patient population.

7. (original): A method according to Claim 5, further comprising:

providing progressive feedback, comprising at least one of an interpretation of the patient status, a notification of potential medical concern based on the patient status sent to at least one of the implant recipient and medical personnel, and a set of reprogramming instructions based on the patient status sent to the implantable medical device.

8. (original): A method according to Claim 5, further comprising:

requesting the voice feedback through pre-determined prompts corresponding to the quality of life measures; and

parsing the voice feedback in accordance with a voice grammar to normalize the voice feedback.

9. (currently amended): A computer-readable storage medium holding code for providing patient status feedback via an automated patient care system with speech-based wellness monitoring, comprising:

code for collecting device measures through an implantable medical device on a substantially continuous basis from an implant recipient;

code for obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of at least one set of the device measures;

code for storing the collected device measures as physiological measures into a patient care record in a database, the physiological measures comprising at least one of collected or derived physiological measures;

code for receiving the device measures;

code for processing the voice feedback against a stored speech vocabulary into normalized quality of life measures for storage into the patient care record; and

code for analyzing the physiological measures and the quality of life measures stored in the patient care record through derived measure determination and statistical value calculation relative to at least one of other physiological measures and other quality of life measures to generate patient status feedback.

10. (original): A storage medium according to Claim 9, further comprising:

code for comparing the physiological measures and quality of life measures stored in the patient care record to at least one of either collected or derived physiological measures and quality of life measures stored in patient care records for the individual patient, a patient peer group, and a patient population.

11. (original): A storage medium according to Claim 9, further comprising:

code for providing progressive feedback, comprising at least one of an interpretation of the patient status, a notification of potential medical concern based on the patient status sent to at least one of the implant recipient and medical personnel, and a set of reprogramming instructions based on the patient status sent to the implantable medical device.

12. (original): A storage medium according to Claim 9, further comprising:

code for requesting the voice feedback through pre-determined prompts corresponding to the quality of life measures; and

code for parsing the voice feedback in accordance with a voice grammar to normalize the voice feedback.

13. (currently amended): A system for interactively monitoring patient status in an automated patient care system using voice feedback, comprising:

an implantable medical device collecting and regularly storing device measures on a substantially continuous basis from an implant recipient;

a quality of life measures monitoring subsystem, comprising:

a remote client obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of the device measures;

a feedback module processing the voice feedback against a stored speech grammar and vocabulary;

a database periodically storing the device measures as at least one of collected or derived physiological measures into an individual patient care record, and the processed voice feedback as standardized quality of life measures into the patient care record; and

an analysis module recurrently evaluating the physiological measures and the quality of life measures from the patient care record through derived measure determination and statistical value calculation against at least one of other physiological measures and other quality of life measures to generate a patient status indicator.

14. (currently amended): A method for providing feedback to an individual patient for automated remote patient care, comprising:

monitoring physiological measures for an implant recipient, comprising:

regularly storing device measures recorded by an implantable medical device from an implant recipient;

collecting the device measures from the implantable medical device on a substantially continuous basis;

monitoring quality of life measures for the implant recipient, comprising:

obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of the device measures;

processing the voice feedback against a stored speech grammar and vocabulary;

periodically storing the device measures as at least one of collected or derived physiological measures into an individual patient care record, and the processed voice feedback as standardized quality of life measures into the patient care record; and

recurrently evaluating the physiological measures and the quality of life measures from the patient care record through derived measure determination and statistical value calculation against at least one of other physiological measures and other quality of life measures to generate a patient status indicator.

15. (currently amended): A computer-readable storage medium holding code for interactively monitoring patient status in an automated patient care system using voice feedback, comprising:

code for monitoring physiological measures for an implant recipient, comprising:

code for regularly storing device measures recorded by an implantable medical device from an implant recipient;

code for collecting the device measures from the implantable medical device on a substantially continuous basis;

code for monitoring quality of life measures for the implant recipient, comprising:

code for obtaining patient wellness indicators through voice feedback provided by the implant recipient substantially contemporaneous to the collection of the device measures;

code for processing the voice feedback against a stored speech grammar and vocabulary;

code for periodically storing the device measures as at least one of collected or derived physiological measures into an individual patient care record, and the processed voice feedback as standardized quality of life measures into the patient care record; and

code for recurrently evaluating the physiological measures and the quality of life measures from the patient care record through derived measure

determination and statistical value calculation against at least one of other physiological measures and other quality of life measures to generate a patient status indicator.